

A survey of the phasmids held in the collection of the National Museum of Wales, Cathays Park, Cardiff.

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Key words

Phasmida, National Museum of Wales.

The National Museum of Wales was founded in 1907 in order to give Wales the same facilities that had already been granted to Scotland and Ireland. Much of the insect collection is not on display and is housed in the basement. The following list is intended to give a brief overview of the collection to assist students of phasmids to decide whether they need to make use of the collection and to let everyone know what is there.

The insect collection is divided into two sections; British insects and non British insects. In the British insects collection there are 13 specimens of phasmids, 11 of which are identified. As this is not intended to be a comprehensive catalogue and to save space I shall give only the following information: the species (where known), the place and year of collection and the National Museum of Wales accession data. The accession number is created as follows - the name of the donor, NMW (National Museum of Wales), the number of the donation, which starts at zero each year, and for more recent acquisitions a Z is included to denote the item is in the Department of Zoology.

- 1 *Acanthoxyla geisovii*, Tresco, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 2 *Acanthoxyla geisovii*, Tresco, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 3 *Acanthoxyla geisovii*, Tresco, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 4 *Clitarchus hookeri*, Tresco, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 5 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 6 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 7 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 8 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 9 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 10 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 11 *Carausius morosus*, 1940, P.M. Miles Coll. NMW 1989 092 Z
- 12 undetermined. A.F. Amsden Coll. NMW 1980 130 Z
- 13 undetermined. no data

The undetermined specimens appear to be nymphs of *C. morosus*. The *C. morosus* in the P.M. Miles collection have extra data - they were all killed by frost in January 1940.

The non British collection consists of 151 specimens of which 111 are identified at least to genus.

- 1 *Phryganistria sarmentosa*, Northern India, A.E. Gardner Coll. NMW 1976 9 Z
- 2 *Orxines macklottii*, captive bred, London Zoo, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 3 *Staelonchodes* sp. Mt. Kinabalu, Borneo, A.E. Gardner Coll. NMW 1976 9 Z
- 4 *Acanthoxyla prasina*, Rotorua, New Zealand, 1971, A.E. Wade Coll. NMW 1971 38 Z
- 5 *Acanthoxyla prasina*, Rotorua, New Zealand, 1971, A.E. Wade Coll. NMW 1971 38 Z
- 6 *Ctenomorpha tessellata*, Brisbane, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 7 *Ctenomorpha tessellata*, Brisbane, 1955, A.E. Gardner Coll. NMW 1976 9 Z
- 8 *Ctenomorpha tessellata*, Brisbane, 1955, A.E. Gardner Coll. NMW 1976 9 Z
- 9 *Carausius morosus*, captive bred, 1959, A.E. Gardner Coll. NMW 1976 9 Z
- 10 *Carausius morosus*, no data, A.E. Gardner Coll. NMW 1976 9 Z

- 11 *Carausius morosus*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 12 *Acrophylla tessellata*, Cairns, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 13 *Acrophylla tessellata*, Cairns, 1965, A.E. Gardner Coll. NMW 1976 9 Z
- 14 *Acrophylla tessellata*, Cairns, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 15 *Phyllium siccifolium*, no data.
- 16 *Phyllium siccifolium*, no data, R.H.F. Rippon Coll. NMW 1918 93
- 17 *Anisomorpha paromalus*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 18 *Anisomorpha paromalus*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 19 *Anisomorpha paromalus*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 20 *Podacanthus typhon*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 21 undetermined, North Queensland, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 22 undetermined, North Queensland, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 23 undetermined, Botswana, 1969, A.E. Gardner Coll. NMW 1976 9 Z
- 24 undetermined, captive bred, 1972, A.E. Gardner Coll. NMW 1976 9 Z
- 25 undetermined, S. Queensland, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 26 undetermined, S. Queensland, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 27 *Paraphasma rufipes*, captive bred, 1994, S. Clark Coll. NMW Z 1994 073
- 28 *Orxines macklottii*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 29 *Orxines macklottii*, no data, A.E. Gardner Coll. NMW 1976 9 Z
- 30 undetermined, Melbourne, 1958, A.E. Gardner Coll. NMW 1976 9 Z
- 31 undetermined, New South Wales, 1959, A.E. Gardner Coll. NMW 1976 9 Z
- 32 *Echinoclona exotica*, Sabah, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 33 *Haaniella scabra*, Sabah, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 34 *Ctenomorphodes sp.*, Brisbane, 1955, A.E. Gardner Coll. NMW 1976 9 Z
- 35 *Ctenomorphodes sp.*, Brisbane, 1955, A.E. Gardner Coll. NMW 1976 9 Z
- 36 Undetermined, no data, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 37 *Ctenomorphodes sp.*, Cairns, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 38 *Baculum extradentatum* captive bred, 1969, A.E. Gardner Coll. NMW 1976 9 Z
- 39 *Extatasoma tiaratum*, Cairns, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 40 *Extatasoma tiaratum*, N. Queensland, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 41 *Extatasoma tiaratum*, Cairns, 1968, A.E. Gardner Coll. NMW 1976 9 Z
- 42 *Extatasoma tiaratum*, New Guinea, 1949, A.E. Gardner Coll. NMW 1976 9 Z
- 43 *Extatasoma tiaratum*, Cairns, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 44 *Extatasoma tiaratum*, Brisbane, 1955, A.E. Gardner Coll. NMW 1976 9 Z
- 45 *Extatasoma tiaratum*, N. Queensland, 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 46 *Extatasoma tiaratum*, captive bred, 1981, C. Scurr Coll. NMW Z 1987 029
- 47 *Eurycantha horrida*, New Guinea, A.E. Gardner Coll. NMW 1976 9 Z
- 48 *Eurycantha horrida*, New Guinea, A.E. Gardner Coll. NMW 1976 9 Z
- 49 *Phyllium scythe*, Philippines 1966, A.E. Gardner Coll. NMW 1976 9 Z
- 50 *Phyllium sp.*, no data
- 51 *Aplopus jamaicensis*, Jamaica, R.H.F. Rippon Coll. NMW 1918 93
- 52 *Aplopus jamaicensis*, Jamaica, R.H.F. Rippon Coll. NMW 1918 93
- 53 *Damasippus westwoodi*, Costa Rica, R.H.F. Rippon Coll. NMW 1918 93
- 54 undetermined, Brazil, R.H.F. Rippon Coll. NMW 1918 93
- 55 *Carausius morosus*, no data, P.H. Holland Coll. NMW 1921 373
- 56 *Carausius morosus*, no data, P.H. Holland Coll. NMW 1921 373
- 57 *Carausius morosus*, no data, P.H. Holland Coll. NMW 1921 373
- 58 undetermined, Labuan, R.H.F. Rippon Coll. NMW 1918 93
- 59 *Prisopus sp*, Rio San, R.H.F. Rippon Coll. NMW 1918 93

- 60 *Prebistus pilosipes*, Danum Valley, Sabah, 1987, A.H. Kirk-Spriggs NMW Sabah, Borneo) expedition NMW Z 1987 094
- 61 undetermined, Queensland, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 62 undetermined, Cairns, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 63 undetermined, Botswana, 1972, A.E. Gardner Coll. NMW 1976 9 Z
- 64 undetermined, Cairns, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 65 undetermined, Cairns, 1967, A.E. Gardner Coll. NMW 1976 9 Z
- 66 *Kalocorinnis pulchella*, Danum Valley, Sabah, 1987, A.H. Kirk-Spriggs NMW Sabah (Borneo) expedition NMW Z 1987 094
- 67 undetermined, Labuan, Borneo, Rippon Coll. NMW 1918 93
- 68 undetermined, Jamaica, R.H.F. Rippon Coll. NMW 1918 93
- 69 undetermined, Calabar, R.H.F. Rippon Coll. NMW 1918 93
- 70 *Diacanthoidea* sp., Labuan, Borneo, R.H.F. Rippon Coll. NMW 1918 93
- 71 *Neoclydes simyra*, East Java, R.H.F. Rippon Coll. NMW 1918 93
- 72 undetermined, Labuan, Borneo, R.H.F. Rippon Coll. NMW 1918 93
- 73 undetermined, Sumatra, R.H.F. Rippon Coll. NMW 1918 93
- 74 undetermined, Costa Rica, R.H.F. Rippon Coll. NMW 1918 93
- 75 undetermined, Ceylon, R.H.F. Rippon Coll. NMW 1918 93
- 76 undetermined, Espirito Santo, Brazil, R.H.F. Rippon Coll. NMW 1918 93
- 77 undetermined, Costa Rica, T.W. Proger Coll. NMW 1932 504
- 78 undetermined, Labuan, Borneo, R.H.F. Rippon Coll. NMW 1918 93
- 79 undetermined, Costa Rica, R.H.F. Rippon Coll. NMW 1918 93
- 80 *Paradiacantha acanthocephala*, Labuan, R.H.F. Rippon Coll. NMW 1918 93
- 81 undetermined, Bahia, R.H.F. Rippon Coll. NMW 1918 93
- 82 undetermined, Bahia, R.H.F. Rippon Coll. NMW 1918 93
- 83 *Diaphemora femorata*, Canada, R.H.F. Rippon Coll. NMW 1918 93
- 84 *Diaphemora femorata*, Calgary, R.H.F. Rippon Coll. NMW 1918 93
- 85 *Diaphemora femorata*, Calgary, R.H.F. Rippon Coll. NMW 1918 93
- 86 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 87 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 88 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 89 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 90 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 91 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 92 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 93 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 94 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 95 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 96 undetermined, no data, R.H.F. Rippon Coll. NMW 1918 93
- 97 undetermined, Jamaica, R.H.F. Rippon Coll. NMW 1918 93
- 98 *Diaphemora femorata*, Toronto, R.H.F. Rippon Coll. NMW 1918 93
- 99 undetermined, no data, R.H.F. Rippon Coll. NMW 1918 93
- 100 undetermined, Labuan, R.H.F. Rippon Coll. NMW 1918 93
- 101 undetermined, Costa Rica, R.H.F. Rippon Coll. NMW 1918 93
- 102 *Sipylodea sipylus*, captive bred 1969, A.E. Gardner Coll. NMW 1976 9 Z
- 103 undetermined, Kasia Hills, Assam, R.H.F. Rippon Coll. NMW 1918 93
- 104 undetermined, no data, Viscount Bollingbroke Coll. NMW 1974 62 Z
- 105 undetermined, Hong Kong, M.L. Williams Coll. NMW 1979 152
- 106 undetermined, Hong Kong, M.L. Williams Coll. NMW 1979 152

- 107 undetermined, Hong Kong, M.L. Williams Coll. NMW 1979 152
 108 undetermined, Malaysia, May Coll. NMW 68 499
 109 *Sosibia peninsularis*, Malaysia, May Coll. NMW 68 499
 110 *Calynda* sp., captive bred, 1994, S. Clark Coll. NMW Z 1994 073
 111 *Lonchodes haematopus*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 112 *Oreophoetes peruana*, captive bred 1994, S. Clark Coll. NMW Z 1994 073
 113 *Oreophoetes peruana*, captive bred 1994, S. Clark Coll. NMW Z 1994 073
 114 *Ramulus* sp., captive bred 1994, S. Clark Coll. NMW Z 1994 073
 115 *Anisomorpha buprestoides*, captive bred 1992, S. Clark Coll. NMW Z 1994 073
 116 *Aretaon asperrimus*, captive bred 1994, S. Clark Coll. NMW Z 1994 073
 117 *Eurycantha calcarata*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 118 *Eurycantha calcarata*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 119 *Eurycantha calcarata*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 120 *Eurycantha calcarata*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 121 *Lamponius guerini*, captive bred 1992, S. Clark Coll. NMW Z 1994 073
 122 *Heteropteryx dilitata*, captive bred 1991, S. Clark Coll. NMW Z 1994 073
 123 *Heteropteryx dilitata*, captive bred 1993, S. Clark Coll. NMW Z 1994 073
 124 undetermined, New Zealand 1991, S. Clark Coll. NMW Z 1994 073
 125 *Paramyronides perakensis*, captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 126 *Paramyronides perakensis*, captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 127 *Paramyronides perakensis*, captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 128 *Phaenopharos* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 129 *Phaenopharos* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 130 *Pharnacia serratipes*, captive bred 1989, P. Bragg Coll. NMW Z 1994 074
 131 *Sipyloidea* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 132 *Sipyloidea* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 133 *Sipyloidea* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 134 *Sipyloidea sipylus*, captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 135 *Paramyronides* sp., captive bred 1991, P. Bragg Coll. NMW Z 1994 074
 136 Ova of *Paramyronides* sp., captive bred 1991, P. Bragg Coll. NMW Z 1994 0741
 137 *Staelonchodes* sp., captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 138 *Carausius sanguineoligatus*, captive bred 1992, P. Bragg Coll. NMW Z 1994 0741
 139 *Eurycantha* sp., captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 140 *Eurycantha* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 141 *Eurycantha coriacea*, captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 142 *Eurycantha coriacea*, captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 143 *Extatosoma tiaratum*, captive bred 1991, P. Bragg Coll. NMW Z 1994 074
 144 *Extatosoma tiaratum*, captive bred 1991, P. Bragg Coll. NMW Z 1994 074
 145 *Ramulus* sp., captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 146 *Oreophoetes peruana*, captive bred 1990, P. Bragg Coll. NMW Z 1994 074
 147 *Aretaon asperrimus*, captive bred 1992, P. Bragg Coll. NMW Z 1994 074
 148 *Rhaphiderus scabrosus*, captive bred 1989, P. Bragg Coll. NMW Z 1994 074
 149 *Rhaphiderus scabrosus*, captive bred 1989, P. Bragg Coll. NMW Z 1994 074
 150 *Haaniella grayi grayi*, Mt Serapi, Sarawak, Aug. 1991, P. Bragg Coll. NMW Z 1994 074
 151 *Haaniella grayi grayi*, Mt Serapi, Sarawak, Aug. 1991, P. Bragg Coll. NMW Z 1994 074

There have been four main contributors to the foreign collection, H.F. Rippon, A.E. Gardner, P.E. Bragg and myself. My own contributions, and those of P.E. Bragg, are mainly captive bred stock.

The bulk of the museum's collection was assembled by Gardner and Rippon and left to the museum as bequests in 1976 and 1918 respectively. Both Gardner and Rippon were keen amateur entomologists and the phasmids are only a very small part of their collections. Neither Gardner or Rippon appear to have collected their own phasmids; when specimen data labels are present and complete, a range of collectors are mentioned. Due to old age many of the undetermined specimens from the Rippon collection have deteriorated and may not be identifiable to species with any accuracy.

The collection, although small, shows a wide range of species and most of the common species in culture are well represented. The British collection is missing one species (*Acanthoxyla inermis*). A few undetermined species are on display in a case of mixed insects in the main museum - these have not been included on this list. Access to the collection is via the Department of Zoology at the National Museum of Wales. Telephone 01222 397951.